PATENT DRAWING REVIEW NOTICE
(Under 37 CFR 1.84 and 1.152)

The drawing(s), filed on **11/3/03**, are objected by the USPTO Drawing Standard.

1) Drawings. 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).
- ☐ Color drawings are not acceptable until petition is granted. Fig(s) _____
- ☐ Pencil and non black not permitted. Fig(s) _____

2) Photographs. 1.84(b):
- ☐ One (1) full tone set is required. Fig(s) _____
- ☐ Photographs may not be mounted. 1.84(e).
- ☐ Photographs must meet paper size requirements of 1.84(f). Fig(s) _____

3) Type of paper. 1.84(e):
- ☐ Paper not flexible, strong, white and durable. Fig(s) _____
- ☒ Erasures, alterations, over writings, interlineations, folds, copy machine marks not not accepted. Fig(s) 1 - 5C

4) Size of paper. 1.84(f):
Acceptable sizes:
 21.0 cm by 29.7 cm (DIN size A4)
 21.6 cm by 27.9 cm (8 ½ x 11 inches)
- ☐ All drawing sheets not the same size. Sheet(s) _____
- ☐ Drawing sheets not an acceptable size. Fig(s) _____

5) Margins. 1.84(g):
Acceptable margins:
 Top 2.5 cm Left 2.5 cm
 Right 1.5 cm Bottom 1.0 cm
- ☒ Margins not acceptable: Fig(s) 2C, 3C, 5C
  - ☒ Top (T) ☐ Left (L)
  - ☐ Right (R ☐ Bottom (B)

6) Views. 1.84(h)
REMINDER: Specification may require revision to Correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.
- ☐ View not labeled separately or properly. Fig(s) _____

7) Sectional views. 1.84(h)(3):
- ☐ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8) Arrangement of views. 1.84(i):
- ☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9) Scale. 1.84(k):
- ☐ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10) Character of lines, numbers & letters. 1.84(l):
- ☒ Lines, numbers and letters not uniformly thick and well defined, clean, durable and black (poor) line quality. Fig(s) 1 - 5C (in parts)

11) Shading. 1.84(m):
- ☐ Solid black areas pale. Fig(s) _____
- ☐ Solid black shading not permitted. Fig(s) _____

12) Numbers, letters, & reference characters. 1.84(p):
- ☒ Numbers and reference characters not plain and legible. Fig(s) 1 - 5C
- ☒ Figure legends are poor. Fig(s) 1 - 5C
- ☐ Numbers and reference characters not oriented in the same direction as the view. 1.84(p)(1). Fig(s) _____
- ☐ English alphabet not used. 1.84(p)(2). Fig(s) _____
- ☐ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 1.84(p)(3). Fig(s) _____

13) Lead lines. 1.84(q):
- ☐ Lead lines missing. Fig(s) _____

14) Numbering of sheets of drawings. 1.84(t):
- ☐ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Fig(s) _____

15) Numbering of views. 1.84(p)(u):
- ☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16) Design drawings. 1.152
- ☐ Surface shading shown not appropriate. Fig(s) _____
- ☐ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

COMMENTS:

Reviewer: *Wm J Sale*
If you have questions, call at 703.305.8404

Date: 4/1/2004
Attachment Paper No:

Attachment for PTO-948 (Rev. 03/01, or earlier)
6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities – 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections <u>within the time period set in the attached Office communication</u>. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in ABANDONMENT of the application.

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